

PM - KR9601009 B1 19960117  
AP - KR19930006067 19930412  
TI - GLASS COMPOSITION FOR SEALING  
EC - C03C8/24  
IC - C04B35/18; C03C10/00  
PA - KEUMKANG CO LTD [KR]  
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PR - KR19930006067 19930412  
DT - WF  
AB - The title composition comprises 88-92 wt% alumina( $\text{Al}_2\text{O}_3$ ), 3-5 wt% silica( $\text{SiO}_2$ ), 0.5-1.5 wt% magnesia( $\text{MgO}$ ), 0.5-1.5 wt% calcia( $\text{CaO}$ ), 1-3 wt% manganese oxide( $\text{MnO}$ ), 1-2 wt% chromia( $\text{Cr}_2\text{O}_3$ ) and 0.5-1 wt% zirconia( $\text{ZrO}_2$ ). The used alumina powder has 70% of 2-4 microns size particles and 30% of 0.4-0.5 microns size particles, and the particle size of the silica is 1-3 microns. The total weight of  $\text{MgO}$ ,  $\text{CaO}$ ,  $\text{MnO}$ ,  $\text{Cr}_2\text{O}_3$  and  $\text{ZrO}_2$  is 5-7% with respect to the whole weight of the composition.